

MONTENAY ENERGY RESOURCES OF MONTGOMERY COUNTY, INC.
CONSHOHOCKEN, PENNSYLVANIA

Montenay Energy Resources of Montgomery County, Inc. of Conshohocken, Pennsylvania is a waste-to-energy/mass burn facility processing 1,216 tons of municipal solid waste per day. The waste is converted to thermal energy that is then used to produce electricity that is sold to a local energy company. The conversion process reduces the waste by 90% in volume and 75% by weight. The facility was the first waste-to-energy facility in North America to be certified to ISO 14001. It has also achieved Star status in the OSHA Voluntary Protection Program and was named Waste to Energy Facility of the Year in 2000 by the American society of Mechanical Engineers.

AT A GLANCE

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| Industry Sector: | SIC 4953 |
| Business: | Burns municipal solid waste for energy |
| Facility Employees: | fewer than 50 |
| Accomplishments: | Reduced NOx emissions Reduced vulnerability and potential for release |
| 2003 Commitments: | Reduce VOC emissions Reduce solid waste Reduce water use |
| Address: | 1155 Conshohocken Road Chonshohocken, PA 19428 |

ENVIRONMENTAL PERFORMANCE

Past Accomplishments

Montenay Energy Resources has demonstrated its commitment to environmental performance in the areas of reduced emissions of NOx and reduced vulnerability and potential for release. Since 1997, the facility has:

- **Reduced NOx emissions to the air** by one-third through installing a DeNOx system.
- **Reduced vulnerability and potential for release** of waste oil by reclaiming and burning all the waste oil generated at the facility. Previously, the oil had been disposed of off-site.

Future Commitments

Montenay Energy Resources also committed to continued environmental improvement through reducing VOC emissions, solid waste, and water use. By 2003, the facility will:

- **Reduce VOC emissions** by 50% through designing and installing a VOC recovery system for the facility's #2 fuel oil storage tank.
- **Reduce solid waste** by expanding community recycling services to include cardboard recycling. Approximately 1 ton of cardboard per year will be recycled.
- **Reduce water use** by re-using high purity water from boiler water change-outs. This will save

200,000 gallons per year.

- **Reduce solid waste** by recycling 70,000 pounds of furnace grate bars per year.

COMMUNITY OUTREACH

Montenay Energy Resources maintains a web page with information about their environmental policy and performance. The facility also encourages and conducts tours of the facility by community groups, schools, and the general public. Facility permit renewals—inviting comment—are printed in local newspapers, and the facility also regularly publishes information on its community recycling center. The facility will publish its annual performance report on its website at www.montenayenergy.com.